

**PRE-COOLING SYSTEM FOR AN
AIR CONDITIONING CONDENSER**

ABSTRACT OF THE DISCLOSURE

A pre-cooling system for use with a condenser of an air conditioning system is provided. In one embodiment, the pre-cooling system comprises a housing that is coupleable to a top of a condenser of an air conditioner wherein the condenser has a substantially-vertical exhaust. The pre-cooling system further comprises a valve mounted in the housing that is coupleable to a water source and wherein the valve is capable of operating independent of electrical power. The pre-cooling system further comprises a vane that is coupled to the valve and positionable in the substantially-vertical exhaust, wherein the vane has an aerodynamically-shaped cross section useable to operate the valve. The present invention further provides a method of manufacturing the pre-cooling system.